

Application No.: 10/587,363
Art Unit: 2826

Amendment under 37 CFR §1.111
Attorney Docket No.: 062711

AMENDMENTS TO THE CLAIMS

Listing of claims:

This listing of claims replaces all prior versions and listings of claims in the application.

Claims 1-11 (Canceled)

Claim 12 (Currently Amended): An attachment structure of an LED, characterized in that in a connection of an anode and a cathode of an LED where said anode, said cathode and an LED pedestal are provided within a housing to wiring patterns provided on a substrate, a lead end which is thermally connected to said LED pedestal is provided outside of the housing of said LED, and a heat radiating pattern or a cooling pattern is provided independently of the wiring patterns on said substrate and the lead end of said LED is thermally connected to the heat radiating pattern or the cooling pattern; and

wherein the lead end of the LED that has been mounted on a substrate is electrically connected to the heat radiating pattern or the cooling pattern of said substrate.

Claim 13 (Canceled)

Claim 14 (Previously Presented): The attachment structure of an LED according to Claim 12, characterized in that the heat radiating pattern or the cooling pattern is formed on the rear surface of the substrate on which the wiring patterns are formed.

Claim 15 (Original): An attachment structure of an LED, characterized in that in a connection of an anode and a cathode of an LED where said anode, said cathode and an LED pedestal are provided within a housing to wiring patterns provided on a substrate, a lead end which is thermally connected to said LED pedestal is provided outside of the housing of said LED, and a heat radiating member or a cooling member is directly attached to the rear surface of said substrate in a manner that the lead end of said LED is thermally connected either directly to the heat radiating member or the cooling member or indirectly to the heat radiating member or the cooling member via a heat radiating pattern or a cooling pattern which is provided independently of the wiring patterns of said substrate.

Claim 16 (Currently Amended): The attachment structure of an LED according to Claim 12, characterized wherein ~~in that~~ the width of the heat radiating pattern or the cooling pattern ~~differs from~~ is greater than the width of the wiring pattern ~~patterns~~ ~~by a large margin~~.

Claim 17 (Previously Presented): The attachment structure of an LED according to Claim 12, characterized in that the LED is used for emitting ultraviolet light.

Claim 18 (Currently Amended): The attachment structure of an LED according to Claim 15, characterized ~~in that~~ wherein the width of the heat radiating pattern or the cooling pattern ~~differs from~~ is greater than the width of the wiring pattern ~~patterns~~ ~~by a large margin~~.

Application No.: 10/587,363
Art Unit: 2826

Amendment under 37 CFR §1.111
Attorney Docket No.: 062711

Claim 19 (Previously Presented): The attachment structure of an LED according to Claim 15, characterized in that the LED is used for emitting ultraviolet light.